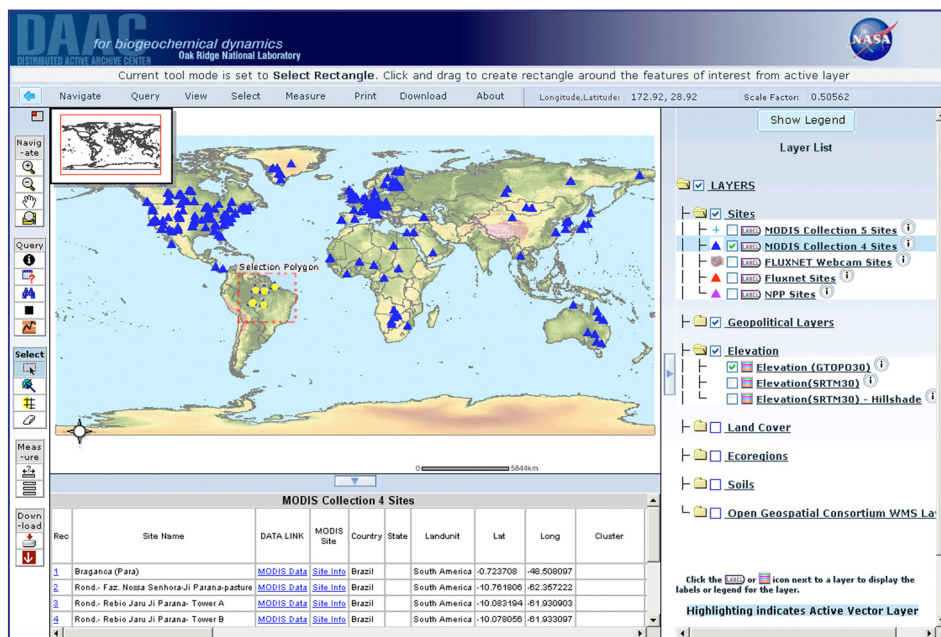# DATA & APPLICATIONS ONLINE

WebGIS

Overview

WebGIS is an Internet-based data visualization tool that enables users to browse, query, and display spatial data using a standard Web browser.

WebGIS was developed by the Oak Ridge National Laboratory Distributed Active Archive Center (ORNL DAAC). The ORNL DAAC is one of the NASA Earth Observing System Data and Information System (EOSDIS) data centers. NASA data centers provide a wide variety of interdisciplinary Earth system science data, information, services, and tools.

The ORNL DAAC WebGIS includes a number of land cover, biophysical, elevation, and geopolitical layers, as well as access to other relevant Open Geospatial Consortium (OGC) layers. Users can interrogate map features and extract and download selected map features including map layers (as shape files).

Data

WebGIS has several options for data download. OGC Web Coverage Service (WCS) interface is available for downloading of image data. Data can be subsetted and downloaded in any one of several projections and resolutions on the fly. Vector data can be downloaded directly as a zip file for region of interest, and the program also includes tools for downloading and printing map layouts.

Usability features include: menu-driven interface with interactive help and user feedback, tool sets organized by functionality, and layers organized by groups.

To learn more, go to http://daac.ornl.gov/mapserver.shtml

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